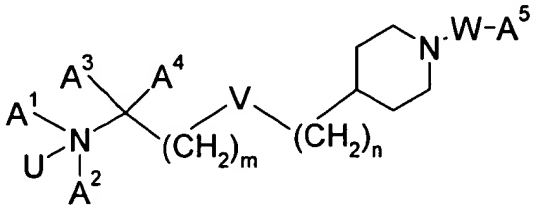
In the Claims:

1. (previously presented) A compound of formula (I)



(I)

wherein

U is O or a lone pair;

V is O, $-CH_2-$, -CH=CH-, or $-C\equiv C-$;

m and n are each integers from 0 to 7 and m+n is 0 to 7;

W is CO, COO, $CONR^1$, CSO, $CSNR^1$, $SO_2$, or $SO_2NR^1$, with the provisos that:

a) V is not $-CH_2-$ when W is CO,

b) m+n is 1 or 2 when V is $-CH_2-$ and W is $SO_2$,

c) m=n=0 when V is -CH=CH- and W is CO or $SO_2$,

d) m is 1 to 7 when V is O, and

e) m is 1 to 3 when V is O, W is CO or $SO_2$, and n is 0;

$A^1$ is H, lower-alkyl or lower-alkenyl,

$A^2$ is cycloalkyl, cycloalkyl-lower-alkyl, lower-alkenyl, lower-alkynyl or lower-alkyl optionally substituted with hydroxy, lower-alkoxy or lower-alkoxy-carbonyl, or

$A^1$ and $A^2$ bond together to form $-A^1-A^2-$, wherein $-A^1-A^2-$ is lower-alkylene or lower-alkenylene, optionally substituted by $R^2$, and one $-CH_2-$ group of $-A^1-A^2-$ is optionally replaced by $NR^3$, S, or O;

$A^3$ and $A^4$ are independently hydrogen or lower-alkyl;

$A^5$ is lower-alkyl optionally substituted with halogen, lower-alkenyl, lower-alkoxy-carbonyl-lower-alkyl, cycloalkyl, cycloalkyl-lower-alkyl, aryl, aryl-lower-alkyl, heteroaryl, or heteroaryl-lower-alkyl;

$R^2$ is lower-alkyl, hydroxy, hydroxy-lower-alkyl, or $N(R^4,R^5)$;

$R^1$, $R^3$, $R^4$ and $R^5$ are independently hydrogen or lower-alkyl; and

When $A^1$ is not bonded to $A^2$, $A^1$ and $A^3$ optionally bond together to form $-A^1-A^3-$, wherein $-A^1-A^3-$ is lower-alkylene or lower-alkenylene, optionally substituted by $R^2$, and one $-CH_2-$ group of $-A^1-A^3-$ is optionally replaced by $NR^3$, S, or O; or

pharmaceutically acceptable salts or esters of the compounds of formula (I).

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2. (original) The compound according to claim 1, wherein U is a lone pair.

3. (original) The compound according to claim 2, wherein V is O.

4. (original) The compound according to claim 2, wherein V is $-C\equiv C-$.

5. (original) The compound according to claim 2, wherein V is $-CH_2-$.

6. (original) The compound according to claim 2, wherein W is CO, COO, CONH, $SO_2$, or $SO_2NH$.

7. (original) The compound according to claim 6, wherein W is CO, COO, or $SO_2NH$.

8. (original) The compound according to claim 6, wherein W is $SO_2$.

9. (withdrawn) The compound according to claim 6, wherein W is CO.

10. (original) The compound according to claim 2, wherein n is 0 to 2.

11. (original) The compound according to claim 10, wherein n is 0.

12. (original) The compound according to claim 2, wherein m is 1 to 5.

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13. (original) The compound according to claim 2, wherein m is 0 to 2.

14. (original) The compound according to claim 2, wherein $A^1$ is methyl, ethyl or 2-propenyl.

15. (original) The compound according to claim 14, wherein $A^2$ is methyl, n-propyl, i-propyl, n-butyl, 2-propenyl, 2-propinyl, cyclopropyl, cyclohexyl, cyclopropyl-methylene; or ethyl optionally substituted with hydroxy, methoxy, or ethoxycarbonyl.

16. (original) The compound according to claim 15, wherein $A^2$ is n-propyl, 2-hydroxy-ethyl, 2-methoxy-ethyl, 2-propenyl, or cyclopropyl.

17. (original) The compound according to claim 2, wherein $A^1$ and $A^2$ are bonded together to form $-A^1-A^2-$, wherein $R^2$ is lower-alkyl, hydroxy, hydroxy-lower-alykl, or N(lower-alkyl)$_2$, and $R^3$ is lower-alkyl.

18. (original) The compound according to claim 17, wherein $R^2$ is methyl, hydroxy, 2-hydroxy-ethyl, or $N(CH_3)_2$, and $R^3$ is methyl.

19. (original) The compound according to claim 2, wherein $A^3$ is hydrogen.

20. (original) The compound according to claims 19, wherein $A^4$ is hydrogen.

21. (original) The compound according to claim 2, wherein $A^5$ is lower-alkyl optionally substituted by 1 to 3 substituents selected from the group consisting of fluorine and chlorine; lower-alkenyl, cycloalkyl, cycloalkyl-lower-alkyl, lower-alkoxy-carbonyl-lower-alkyl, naphthyl, furyl-methylene; or phenyl, benzyl or phenyl-ethylene, optionally substituted by 1 to 3 substituents selected from the group consisting of fluorine, chlorine, bromine, CN, $CF_3$, $NO_2$, lower-alkyl, lower-alkoxy, thio-lower-alkoxy, lower-alkyl-carbonyl, lower-alkoxy-carbonyl, and dioxo-lower-alkylene.

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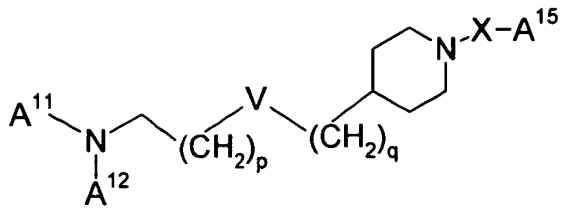
22. (original) The compound according to claim 21, wherein $A^5$ is lower-alkyl, cycloalkyl-lower-alkyl; or phenyl or benzyl optionally substituted by 1 to 3 substituents selected from the group consisting of fluorine, chlorine, bromine, and $CF_3$.

23. (original) The compound according to claim 22, wherein $A^5$ is n-butyl, i-butyl, cyclohexyl-methylene, phenyl, 4-chloro-phenyl, 4-bromo-phenyl, 2,5-difluoro-phenyl, 3,4-difluoro-phenyl, 4-trifluoromethyl-phenyl, or 4-chloro-benzyl.

24. (previously presented) A compound of compounds of formula (Ia)



(Ia)

wherein

V is O, $-CH_2-$, -CH=CH-, or $-C\equiv C-$;

p is an integer from 0 to 5;

q 0, 1 or 2;

X is CO, COO, $SO_2$, or $SO_2NH$, with the provisos that:

a) V is not $-CH_2-$ when X is CO,

b) p+q is 1 or 2 when V is $-CH_2-$ and X is $SO_2$,

c) p=q=0 when V is -CH=CH- and X is CO or $SO_2$,

d) p is 1 to 5 when V is O, and

e) p is 1 to 3 when V is O, X is CO or $SO_2$, and q is 0;

$A^{11}$ is methyl or ethyl;

$A^{12}$ is cyclopropyl, lower-alkenyl, or lower-alkyl optionally substituted with hydroxy or lower-alkoxy; and

$A^{15}$ is lower-alkyl optionally substituted with halogen, lower-alkenyl, lower-alkoxy-carbonyl-lower-alkyl, cycloalkyl, cycloalkyl-lower-alkyl, aryl, aryl-lower-alkyl, heteroaryl, or heteroaryl-lower-alkyl; or

pharmaceutically acceptable salts or esters of the compounds of formula (Ia).

25. (previously presented) The compound of claim 24, wherein $A^{12}$ is cyclopropyl, lower alkenyl of 2 to 4 carbon atoms, lower alkyl of 1 to 4 carbon atoms,

lower alkoxy of 1 to 4 carbon atoms, lower alkyl substituted with a lower-alkoxy having a total of 2 to 4 carbon atoms, or lower alkyl substituted with hydroxy.

26. (original) The compound of claim 25, wherein $A^{15}$ is lower alkyl, cycloalkyl, cycloalkyl-lower alkyl, aryl or aryl-lower-alkyl.

27. (original) The compound of claim 26, wherein V is O.

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28. (withdrawn) The compound of claim 27, wherein X is CO.

29. (withdrawn) The compound of claim 28, wherein n is 0.

30. (withdrawn) The compound of claim 29, selected from the group consisting of {4-[4-(allyl-methyl-amino)-butoxy]-piperidin-1-yl}-(4-chloro-phenyl)-methanone, pharmaceutically acceptable salts thereof and pharmaceutically acceptable esters thereof.

31. (withdrawn) The compound of claim 28, wherein n is 1.

32. (withdrawn) The compound of claim 31, selected from the group consisting of {4-[4-(allyl-methyl-amino)-butoxymethyl]-piperidin-1-yl}-(4-chloro-phenyl)-methanone, pharmaceutically acceptable salts thereof and pharmaceutically acceptable esters thereof.

33. (withdrawn) The compound of claim 31, selected from the group consisting of {4-[3-(allyl-methyl-amino)-propoxymethyl]-piperidin-1-yl}-(4-chloro-phenyl)-methanone, pharmaceutically acceptable salts thereof and pharmaceutically acceptable esters thereof.

34. (withdrawn) The compound of claim 28, wherein n is 2.

35. (withdrawn) The compound of claim 34, selected from the group consisting of 1-(4-{2-[4-(allyl-methyl-amino)-butoxy]-ethyl}-piperidin-1-yl)-2-(4-chloro-phenyl)-ethanone, pharmaceutically acceptable salts thereof and pharmaceutically acceptable esters thereof.

36. (withdrawn) The compound of claim 34, selected from the group consisting of (4-{2-[4-(allyl-methyl-amino)-butoxy]-ethyl}-piperidin-1-yl)-(4-chloro-phenyl)-methanone, pharmaceutically acceptable salts thereof and pharmaceutically acceptable esters thereof.

37. (withdrawn) The compound of claim 34, selected from the group consisting of (4-{2-[2-(allyl-methyl-amino)-ethoxy]-ethyl}-piperidin-1-yl)-(4-chloro-phenyl)-methanone, pharmaceutically acceptable salts thereof and pharmaceutically acceptable esters thereof.

38. (withdrawn) The compound of claim 27, wherein X is COO.

39. (withdrawn) The compound of claim 38, selected from the group consisting of 4-{3-[ethyl-(2-hydroxy-ethyl)-amino]-propoxymethyl}-piperidine-1-carboxylic acid 4-chloro-phenyl ester, pharmaceutically acceptable salts thereof and pharmaceutically acceptable esters thereof.

40. (withdrawn) The compound of claim 38, selected from the group consisting of 4-[4-(allyl-methyl-amino)-butoxymethyl]-piperidine-1-carboxylic acid 4-chloro-phenyl ester, pharmaceutically acceptable salts thereof and pharmaceutically acceptable esters thereof.

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41. (withdrawn) The compound of claim 38, selected from the group consisting of 4-[6-(allyl-methyl-amino)-hexyloxy]-piperidine-1-carboxylic acid isobutyl ester, pharmaceutically acceptable salts thereof and pharmaceutically acceptable esters thereof.

42. (original) The compound of claim 27, wherein X is $SO_2$.

43. (previously presented) The compound of claim 42, selected from the group consisting of allyl-{4-[1-(4-chloro-benzenesulfonyl-piperidin-4-yloxy]-butyl}-methyl-amine and pharmaceutically acceptable salts thereof.

44. (previously presented) The compound of claim 42, selected from the group consisting of allyl-{3-[1-(4-bromo-benzenesulfonyl)-piperidin-4-yloxy]-propyl}-methyl-amine and pharmaceutically acceptable salts thereof.

45. (original) The compound of claim 27, wherein X is $SO_2NH$.

46. (original) The compound of claim 45, wherein $A^{15}$ is lower alkyl.

47. (currently amended) ~~The~~ A compound ~~of claim 46,~~ selected from the group consisting of 4-[6-(allyl-methyl-amino)-hexyloxy]-piperidine-1-sulfonic acid butylamide and pharmaceutically acceptable salts thereof.

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48. (original) The compound of claim 45, wherein $A^{15}$ is cycloalkyl-loweralkyl.

49. (currently amended) ~~The~~A compound ~~of claim 48,~~ selected from the group consisting of 4-[6-(allyl-methyl-amino)-hexyloxy]-piperidine-1-sulfonic acid cyclohexylmethyl-amide, and pharmaceutically acceptable salts thereof.

50. (original) The compound of claim 45, wherein $A^{15}$ is phenyl.

51. (currently amended) ~~The~~A compound ~~of claim 50,~~ selected from the group consisting of 4-[6-(allyl-methyl-amino)-hexyloxy]-piperidine-1-sulfonic acid (phenyl)-amide and pharmaceutically acceptable salts thereof.

52. (original) The compound of claim 45, wherein $A^{15}$ is phenyl substituted with at least one

53. (currently amended) ~~The~~A compound ~~of claim 52,~~ selected from the group consisting of 4-[6-(allyl-methyl-amino)-hexyloxy]-piperidine-1-sulfonic acid (4-chloro-phenyl)-amide and pharmaceutically acceptable salts thereof.

54. (currently amended) ~~The~~A compound ~~of claim 52,~~ selected from the group consisting of 4-[6-(allyl-methyl-amino)-hexyloxy]-piperidine-1-sulfonic acid (4-bromo-phenyl)-amide and pharmaceutically acceptable salts thereof.

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55. (currently amended) ~~The~~A compound ~~of claim 52,~~ selected from the group consisting of 4-[6-(cyclopropyl-methyl-amino)-hexyloxy]-piperidine-1-sulfonic acid (3,4-difluoro-phenyl)-amide and pharmaceutically acceptable salts thereof .

56. (currently amended) ~~The~~A compound of claim 52, selected from the group consisting of 4-[6-(allyl-methyl-amino)-hexyloxy]-piperidine-1-sulfonic acid (2,5-difluoro-phenyl)-amide and pharmaceutically acceptable salts thereof.

57. (original) The compound of claim 45, wherein $A^{15}$ is phenyl substituted with trifluoromethyl.

58. (currently amended) ~~The~~A compound ~~of claim 57,~~ selected from the group consisting of 4-[6-(allyl-methyl-amino)-hexyloxy]-piperidine-1-sulfonic acid (4-trifluoromethyl-phenyl)-amide and pharmaceutically acceptable salts thereof.

59. (cancelled)

60. (original) The compound of claim 26, wherein V is $-CH_2-$.

61. (previously presented) ~~The~~A compound ~~of claim 60,~~ selected from the group consisting of methyl-propyl-{4-[1-(4-trifluoromethyl-benzenesulfonyl)-piperidin-4-yl]-butyl}-amine and pharmaceutically acceptable salts thereof.

62. (original) The compound of claim 26, wherein V is -CH=CH-.

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63. (original) The compound of claim 26, wherein V is -C≡C-.

64. (withdrawn) The compound of claim 63, wherein X is CO.

65. (withdrawn) The compound of claim 64, selected from the group consisting of (4-chloro-phenyl)-{4-[4-(methyl-propyl-amino)-but-1-ynyl]-piperidin-1-yl}-methanone, pharmaceutically acceptable salts thereof and pharmaceutically acceptable esters thereof.

66. (withdrawn) The compound of claim 63, wherein X is COO.

67. (original) The compound of claim 63, wherein X is $SO_2$.

68. (currently amended) ~~The~~A compound ~~of claim 67,~~ selected from the group consisting of methyl-propyl-{3-[1-(4-trifluoromethyl-benzenesulfonyl)-piperidin-4-yl]-prop-2-ynyl}-amine and pharmaceutically acceptable salts thereof.

69. (original) The compound of claim 67, selected from the group consisting of 2-(ethyl-{5-[1-(4-trifluoromethyl-benzenesulfonyl)-piperidin-4-yl]-pent-4-ynyl}-amino)-ethanol, pharmaceutically acceptable salts thereof and pharmaceutically acceptable esters thereof.

70. (original) The compound of claim 67, selected from the group consisting of 2-(ethyl-{4-[1-(4-trifluoromethyl-benzenesulfonyl)-piperidin-4-yl]-but-3-ynyl}-amino)-ethanol, pharmaceutically acceptable salts thereof and pharmaceutically acceptable esters thereof.

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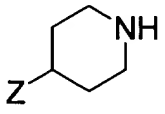
71. (currently amended) ~~The~~A compound ~~of claim 67,~~ selected from the group consisting of ethyl-(2-methoxy-ethyl)-{4-[1-(4-trifluoromethyl-benzenesulfonyl)-piperidin-4-yl]-but-3-ynyl}-amine and pharmaceutically acceptable salts thereof.

72. (original) The compound of claim 63, wherein X is $SO_2NH$.

73. (previously presented) A process for the preparation of compounds according to claim 1, which process comprises reacting a compound of formula (II)




(II)

wherein Z is $(A^1,A^2)N\text{-}C(A^3,A^4)\text{-}(CH_2)_m\text{-}V\text{-}(CH_2)_n\text{-}$, $X\text{-}CH_2\text{-}(CH_2)_m\text{-}V\text{-}(CH_2)_n\text{-}$, $HO(CH_2)_n\text{-}$, or $HOOC(CH_2)_n\text{-}$, wherein X is chlorine, bromine, iodine, methanesulfonyl, or toluenesulfonyl, and $A^1$, $A^2$, $A^3$, $A^4$, V, m and n are as defined in claim 1,

with $ClSO_2$-$A^5$, ClCOO-$A^5$, ClCSO-$A^5$, OCN-$A^5$, SCN-$A^5$, HOOC-$A^5$, or $ClSO_2NR^1$-$A^5$, wherein $A^5$ is as defined in claim 1.

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74. (original) A pharmaceutical composition comprising a compound according to claim 1 and at least one of a pharmaceutically acceptable carrier or a pharmaceutically acceptable adjuvant.

75. (cancelled)